

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P525727

Luminaire Tested: **IFLD-M-SA4D-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525727
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

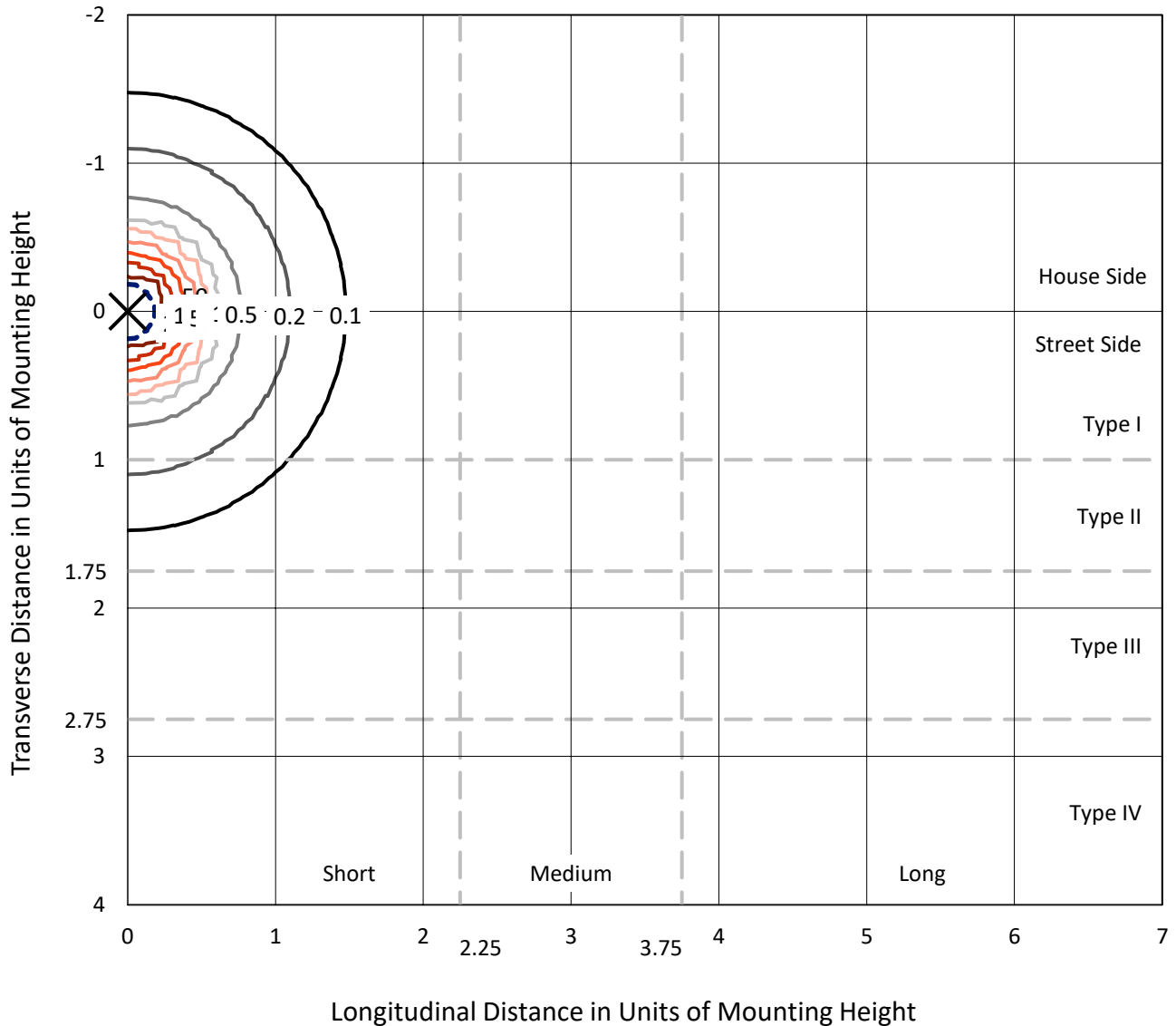
Lumens per Lamp: N/A
Luminaire Lumens: 21144.8 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

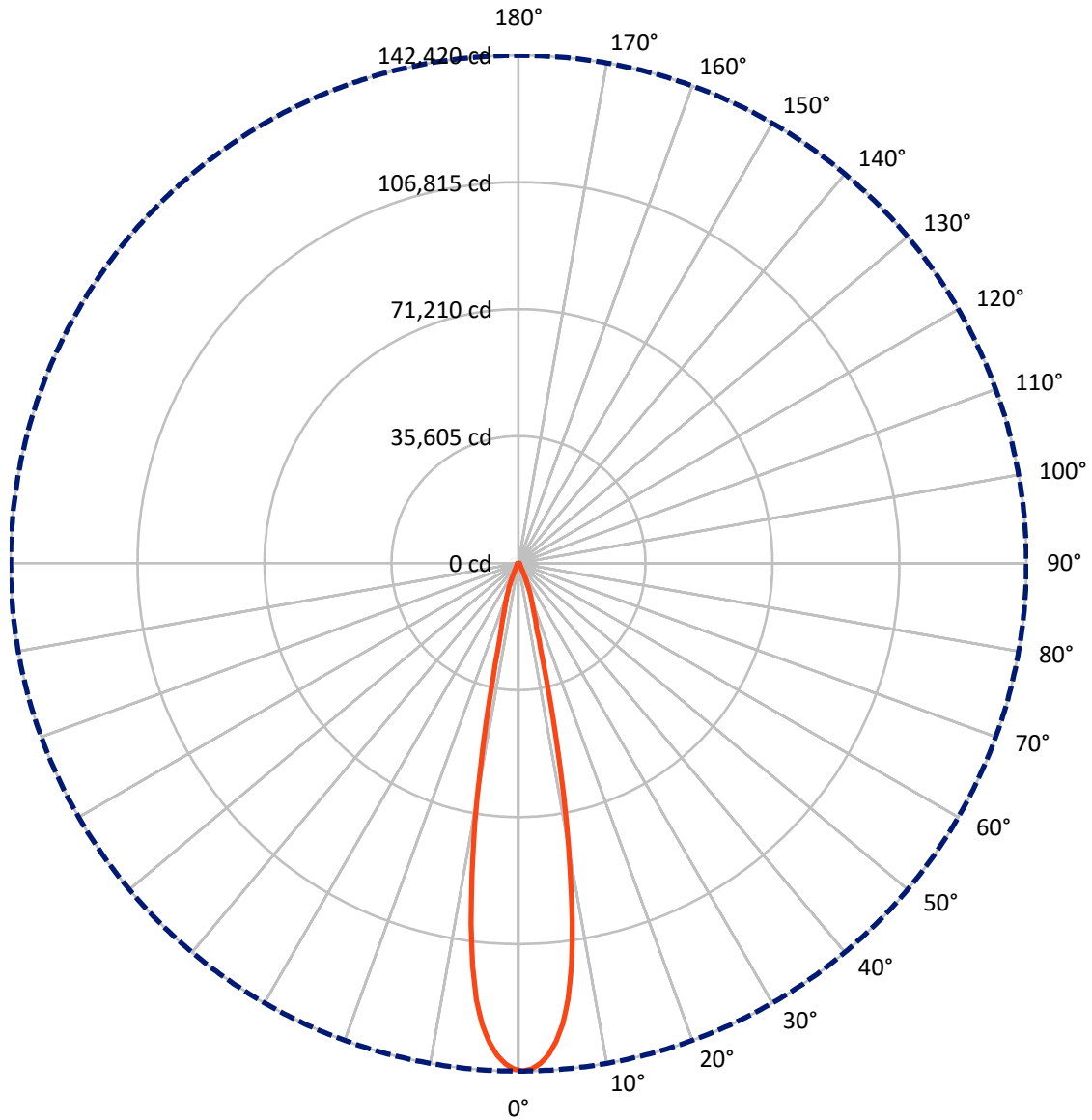
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 227.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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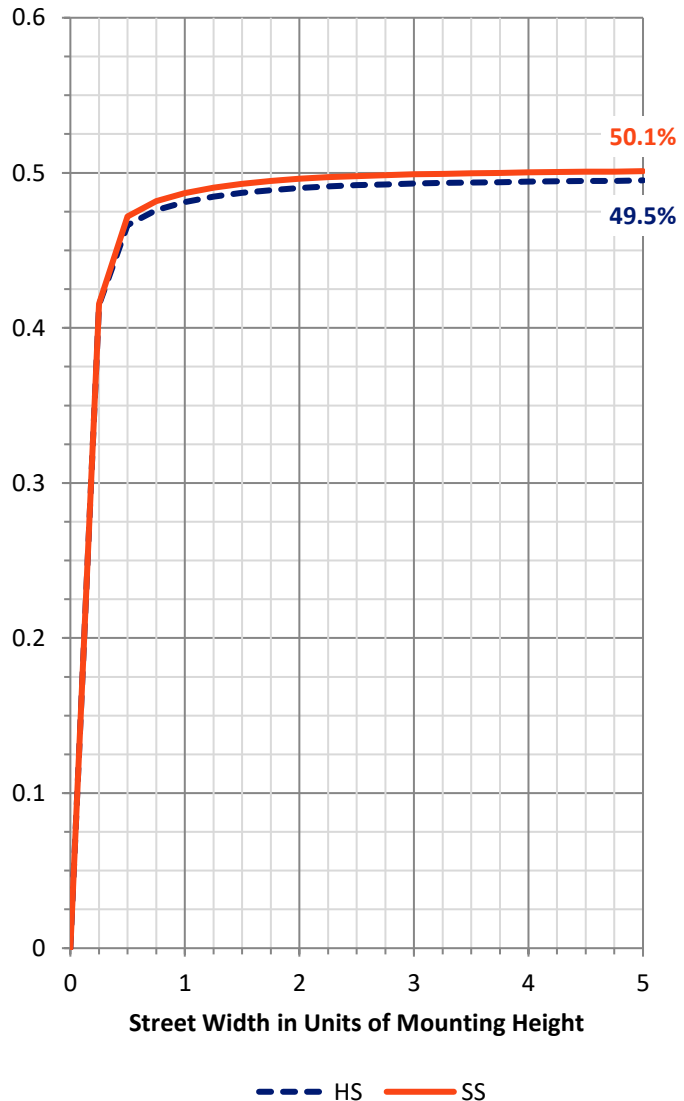
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 10572.4 | 0.0 | 10572.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 10572.4 | 0.0 | 10572.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 21144.8 | 0.0 | 21144.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 10603.9 | 50.1 |
| 10°-20° | 6974.9 | 33.0 |
| 20°-30° | 1876.1 | 8.9 |
| 30°-40° | 466.2 | 2.2 |
| 40°-50° | 347.9 | 1.6 |
| 50°-60° | 319.9 | 1.5 |
| 60°-70° | 293.4 | 1.4 |
| 70°-80° | 189.8 | 0.9 |
| 80°-90° | 72.8 | 0.3 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 21144.8 | 100.0 |
| 0°-180° | 21144.8 | 100.0 |

Coefficient of Utilization



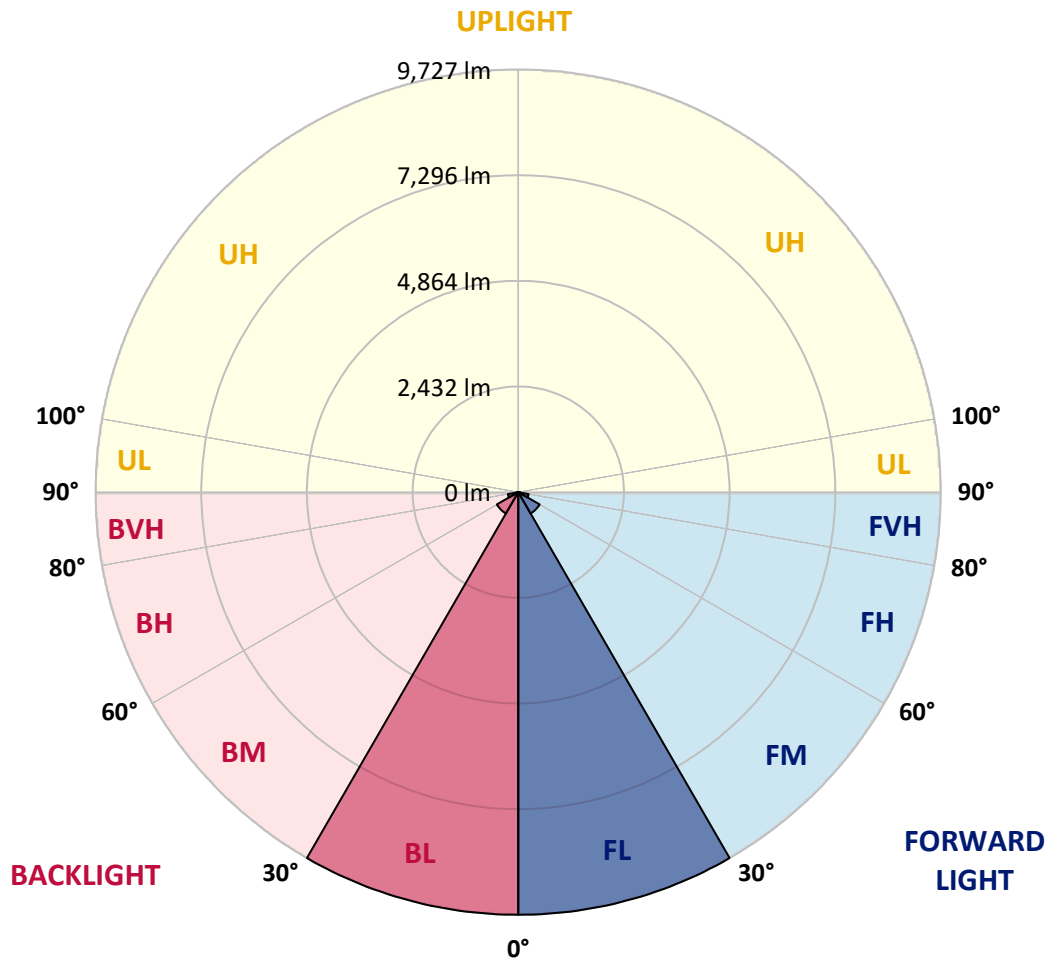
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 9727.4 | 46.0 | | | |
| FM (30°-60°) | 567.0 | 2.7 | | | |
| FH (60°-80°) | 241.6 | 1.1 | | | G0/660 |
| FVH (80°-90°) | 36.4 | 0.2 | | | G1/100 |
| BL (0°-30°) | 9727.4 | 46.0 | B5 | | |
| BM (30°-60°) | 567.0 | 2.7 | B1/1000 | | |
| BH (60°-80°) | 241.6 | 1.1 | B1/500 | | G0/660 |
| BVH (80°-90°) | 36.4 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G1

Type V Short



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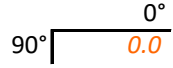
CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|----------|
| 0° | 142419.5 |
| 1° | 141862.2 |
| 2° | 140457.9 |
| 3° | 138066.6 |
| 4° | 134582.4 |
| 5° | 129731.3 |
| 6° | 122959.1 |
| 7° | 113689.7 |
| 8° | 101935.5 |
| 9° | 88073.4 |
| 10° | 74015.2 |
| 11° | 58913.9 |
| 12° | 44896.1 |
| 13° | 33176.2 |
| 14° | 24828.5 |
| 15° | 19444.9 |
| 17.5° | 13033.8 |
| 20° | 9422.0 |
| 22.5° | 6211.8 |
| 25° | 3646.1 |
| 27.5° | 2045.7 |
| 30° | 1142.7 |
| 32.5° | 834.5 |
| 35° | 706.8 |
| 37.5° | 622.7 |
| 40° | 548.0 |
| 42.5° | 492.0 |
| 45° | 442.1 |
| 47.5° | 407.9 |
| 50° | 379.9 |
| 52.5° | 364.3 |
| 55° | 355.0 |
| 57.5° | 348.7 |
| 60° | 339.4 |
| 62.5° | 320.7 |
| 65° | 298.9 |
| 67.5° | 274.0 |
| 70° | 242.9 |
| 72.5° | 208.6 |
| 75° | 177.5 |
| 77.5° | 149.5 |
| 80° | 124.5 |
| 82.5° | 99.6 |
| 85° | 74.7 |
| 87.5° | 31.1 |



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)